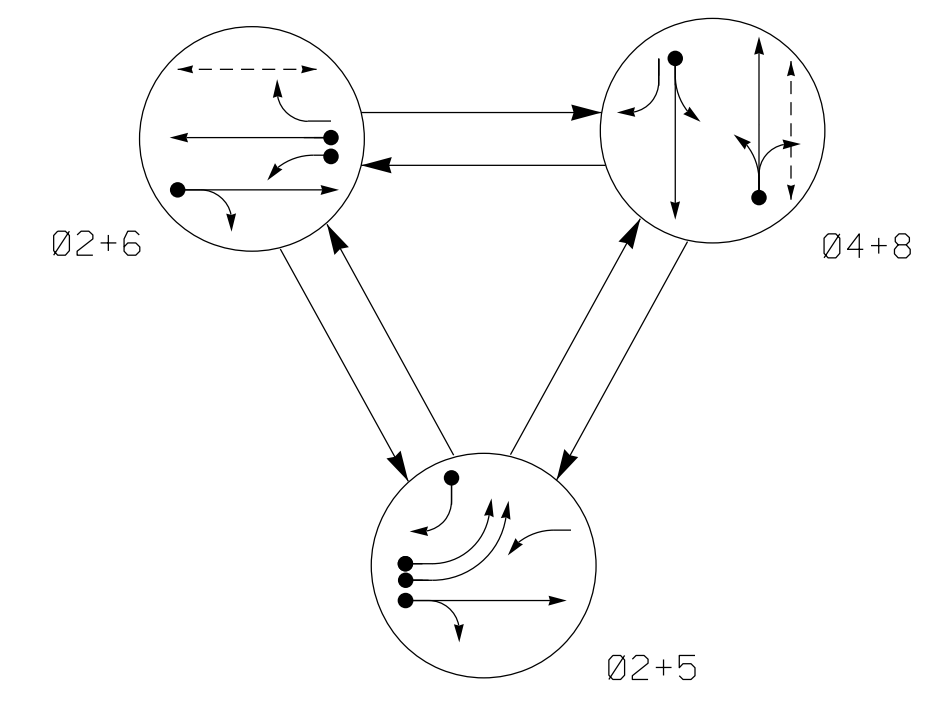
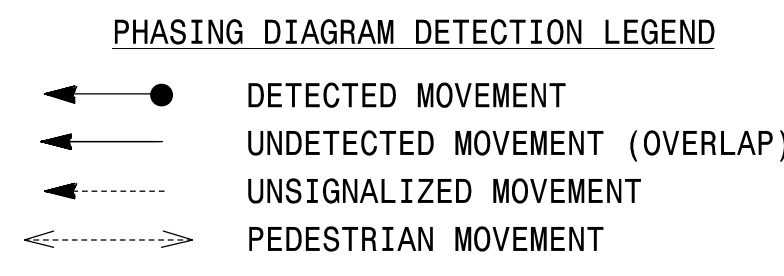


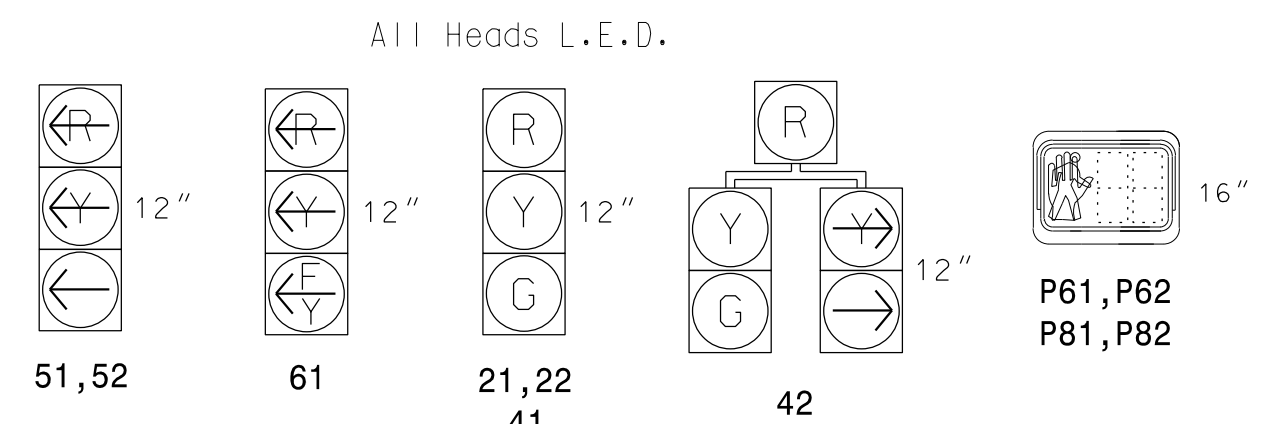
**PHASING DIAGRAM**



SIGNAL FACE	PHASE				
	Ø2+5	Ø2+6	Ø4+8	Ø2+5	Ø2+6
21,22	G	G	R	Y	
41	R	R	G	R	
42	R	R	G	R	
51,52	R	R	G	R	
61	R	R	G	R	
62,63	R	R	G	R	
81,82	R	R	G	R	
P61,P62	DW	W	DW	DRK	
P81,P82	DW	DW	W	DRK	



**SIGNAL FACE I.D.**



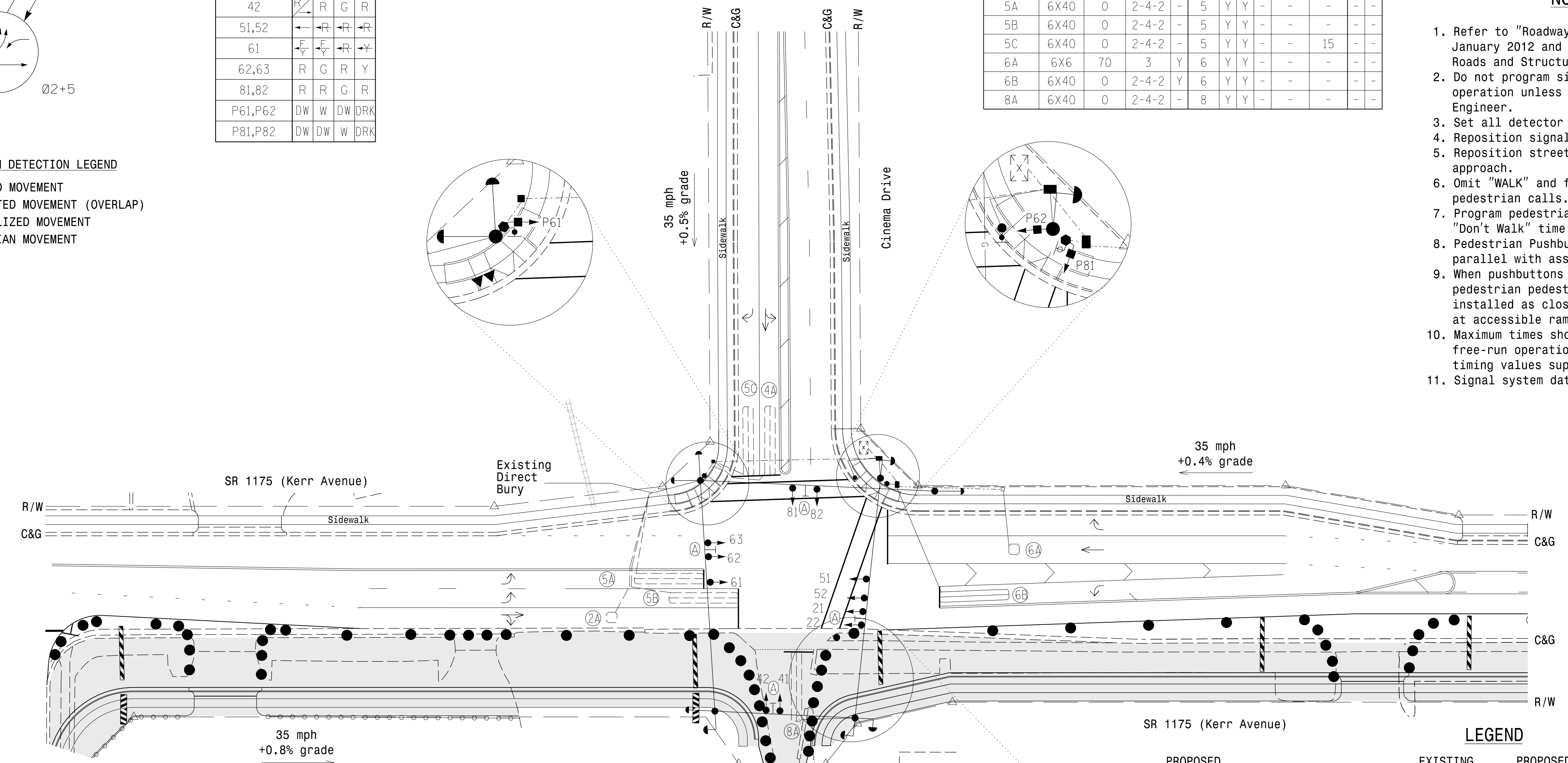
**OASIS 2070 LOOP & DETECTOR INSTALLATION CHART**

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING						
					PHASE	CALLING	EXTENSION	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A	6X6	70	5	-	2	Y	Y	-	-	-	-
4A	6X40	0	2-4-2	-	4	Y	Y	-	-	-	-
5A	6X40	0	2-4-2	-	5	Y	Y	-	-	-	-
5B	6X40	0	2-4-2	-	5	Y	Y	-	-	-	-
5C	6X40	0	2-4-2	-	5	Y	Y	-	15	-	-
6A	6X6	70	3	Y	6	Y	Y	-	-	-	-
6B	6X40	0	2-4-2	Y	6	Y	Y	-	-	-	-
8A	6X40	0	2-4-2	-	8	Y	Y	-	-	-	-

**3 Phase Fully Actuated (Wilmington Signal System)**

**NOTES**

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Set all detector units to presence mode.
- Reposition signal heads numbered 61, 62, and 63.
- Reposition street name sign for southbound approach.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Pedestrian Pushbutton and sign shall be mounted parallel with associated crosswalk.
- When pushbuttons are mounted on metal pole or pedestrian pedestal, the pole or pedestal shall be installed as close as possible to the back of curb at accessible ramps to minimize reach range.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Signal system data: Controller Asset #1082.



**OASIS 2070 TIMING CHART**

FEATURE	PHASE				
	2	4	5	6	8
Min Green 1 *	10	7	7	10	7
Extension 1 *	3.0	2.0	2.0	3.0	2.0
Max Green 1 *	60	35	20	60	35
Yellow Clearance	3.8	3.8	3.0	3.8	3.2
Red Clearance	2.4	2.3	2.8	2.4	2.5
Red Revert	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	7	7
Don't Walk 1	-	-	-	20	20
Seconds Per Actuation *	-	-	-	-	-
Max Variable Initial *	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-
Time To Reduce *	-	-	-	-	-
Minimum Gap	-	-	-	-	-
Recall Mode	SOFT RECALL	-	-	SOFT RECALL	-
Vehicle Call Memory	YELLOW	-	-	YELLOW	-
Dual Entry	-	ON	-	-	ON
Simultaneous Gap	ON	ON	ON	ON	ON

\* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

**LEGEND**

PROPOSED	EXISTING	PROPOSED	EXISTING
— 2-in Underground Conduit	— N/A	○ Traffic Signal Head	● Existing Signal Head
→ Directional Drill	→ N/A	□ Pedestrian Signal Head	■ Existing Pedestrian Signal Head
→ Directional Arrow	→ N/A	⊕ Push Button & Sign	⊕ Existing Push Button & Sign
N/A UG Telephone Line	N/A	⊕ Temporary Pedestrian Post w/ Push Button & Sign	⊕ Existing Temporary Pedestrian Post
N/A UG Gas Line	N/A	○ Type II Signal Pedestal	○ Existing Type II Signal Pedestal
N/A Drainage Pipe	N/A	○ Signal Pole with Guy	○ Existing Signal Pole with Guy
N/A Right of Way	N/A	○ Signal Pole with Sidewalk Guy	○ Existing Signal Pole with Sidewalk Guy
Ⓐ Street Name Sign	Ⓐ Existing Street Name Sign	⊗ Inductive Loop Detector	⊗ Existing Inductive Loop Detector
Construction Zone	Construction Zone	⊠ Controller & Cabinet	⊠ Existing Controller & Cabinet
Construction Zone Drums	Construction Zone Drums	□ Junction Box	□ Existing Junction Box
Construction Zone Cones	Construction Zone Cones	□ Oversize Junction Box	□ Existing Oversize Junction Box
Construction Barricade	Construction Barricade		

**Signal Upgrade - Temporary Signal 2 (TMP Phase III)**

Prepared for the Offices of:

**SR 1175 (Kerr Avenue) at Cinema Drive/ Shopping Center Drive**

Division 03 New Hanover County Wilmington

PLAN DATE: June 2014 REVIEWED BY: LM MOON

PREPARED BY: IW BERDEAU REVIEWED BY: MB TOOTH

REVISIONS: INIT. DATE

SCALE: 1"=40'

Seal: NORTH CAROLINA PROFESSIONAL ENGINEER MELISSA B. TOOTH SEAL 025892

DocuSigned by: Melissa B. Toth 12/19/2014

SIG. INVENTORY NO. 03-108212

**ATKINS** 1616 EAST MILLBROOK ROAD, SUITE 310 RALEIGH, NORTH CAROLINA 27609 (919) 876-8888 NGBEES #F-0326

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